

CLAIMS

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1. Device (22, 24) for actuating a seat element, of the type comprising:
- an actuator (26, 28) equipped with a transducer (42) designed to supply a crude measurement value ( $P_{lue}$ ) representing the current position of the actuator,
- characterized in that it comprises:
- means (80, 84) for the calculation of a corrected value ( $P_{corr}$ ) of the current position of the actuator, from each crude measurement value ( $P_{lue}$ ) supplied by the transducer, and of a refining correction function; and
  - means (86) for processing said corrected value ( $P_{corr}$ ) of the current position of the actuator.
2. Actuating device according to claim 1, characterized in that it comprises:
- means (92) for logging at least two crude reference measurement values ( $P_{lue1}$ ,  $P_{lue2}$ ), each representing the position of the actuator for an identified reference position of the actuator;
  - means (94) for the input of a theoretical reference value ( $P_{cal1}$ ,  $P_{cal2}$ ) for each identified reference position of the actuator; and
  - means (92) for the establishment, from said at least two logged crude reference measurement values ( $P_{lue1}$ ,  $P_{lue2}$ ) and from the corresponding theoretical reference values ( $P_{cal1}$ ,  $P_{cal2}$ ), of said refining correction function for calculating the corrected value ( $P_{corr}$ ) of the current position of the actuator, from each crude measurement value ( $P_{lue}$ ) supplied by the transducer.
3. Actuating device according to claim 2, characterized in that said means (92) for the establishment of the refining correction function are designed to establish said refining correction function from only two crude reference measurement values.
4. Actuating device according to <sup>claim 1</sup> ~~any one of the preceding claims~~, characterized in that said processing

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means comprise means (96) for the continuous comparison of said corrected value ( $P_{corr}$ ) of the current position of the actuator with at least one predetermined threshold value, and pilot control means (86) designed to generate a pilot control command as a function of the result of the or each comparison.

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5. Seat comprising at least one moveable element (18, 20) and at least one actuating device (22, 24) according to any one of the preceding claims, associated mechanically with a seat element (18, 20) for the displacement of the latter.

6. Seat according to claim 5, characterized in that it comprises at least one moveable element (18, 20) associated mechanically with an actuating device (22, 24) according to claim 4, in that it comprises a device (50) designed to bring the seat into at least one predetermined configuration under the action of a single command supplied by the user, and in that the or each predetermined threshold value represents the position of the associated actuator in a predetermined configuration of the seat.

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7. Set of seats comprising at least two seats of similar structure according to either one of claims 5 or 6, characterized in that the or each actuating device (22, 24) is according to claim 2 or 3, and in that the identified reference positions of the actuators for the respective actuating devices of each of the seats are identical.

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8. Set of seats according to claim 7, characterized in that said seats are arranged side by side.

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